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Washington, D.C. 20231

On March 12, 2002

TOWNSEND and TOWNSEND and CREW LLP

By: Jeanne Renate Dallas

*#9113102*  
PATENT  
Attorney Docket No.: 02307E-099810US  
Client Ref. No.: 1999-373-2



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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Gwynne Attarian, *et al.*

Application No.: 09/747,385

Filed: December 22, 2000

For: FUSOBACTERIUM NUCLEIC ACIDS, PLASMIDS AND VECTORS

Examiner: Davis, Katharine F.

Art Unit: 1636

AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Office Action mailed September 13, 2001, please amend the above-identified application as follows:

**IN THE CLAIMS:**

1. (amended) An isolated origin of replication functional in *Fusobacterium nucleatum* that comprises at least two copies of an iteron, the iteron comprising a nucleic acid sequence of SEQ ID NO:3.

*B1*